ZyXEL

Highly Reliable and Affordable Layer 3 Gigabit Switching

- RIP, Static Routing Protocol Support
- Multilayer-aware (L2/L3/L4) ACL
- Port Security and Enhanced 802.1x Port Authentication
- MAC Freeze and Intrusion Lock
- Backup Power System Support
- VLAN Stacking (QinQ)
- Jumbo Frames Support

24-port Managed L3 Gigabit Switch

GS-2724

Benefits

Empower Gigabit Converged Network

ZyXEL GS-2724 is designed for SMB/SME network to realize multifunctional, Gigabit backbone connectivity. Not only L2 switching, L3 routing can be handled as well, which makes the GS-2724 a cost-effective platform for SMB/SME to form a L2/L3 network with just single device. Moreover, wire-speed gigabit switching architecture as well as impressive performance in VoIP, QoS & security that makes the GS-2724 a wise investment of building up a future-proof network for your business.

Secure Multi-Services Delivery Quality

To harness the multi-services like VoIP, Video-conferencing & Video streaming in business environment, the GS-2724 equips with valued-added features to optimize traffic prioritization. Cooperation of eight priority queues and WRR/SPQ scheduling algorithm can secure quality of time-sensitive applications. Moreover, different services can be assigned to specific VLAN and configured with different priority for traffic management. The GS-2724 comes with Multi-layer ACL provides L2/L3/L4 indicators for conducting policy management on traffic.

Enhance Multi-layer Security Protection

The GS-2724 demonstrates strict security protection. Intrusion lock can prevent intruder. MAC freeze, static MAC forwarding and MAC filtering can conduct protection based on MAC address. 802.1Q VLAN can isolate traffic into different virtual LANs to protect business-critical information. Multi-layer ACL provides L2/L3/L4 indicators for policy management on security protection. Furthermore, 802.1x can further facilitate the assignment of VLAN and bandwidth.

Specifications

Standard Compliance

- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100Base-Tx Ethernet
- IEEE 802.ab 1000Base-T Ethernet
- IEEE 802.3x Flow control
- IEEE 802.1D Spanning tree protocol
- IEEE 802.1w Rapid Spanning tree protocol
- IEEE 802.1p Class of service, priority protocols
- IEEE 802.1Q VLAN tagging
- IEEE 802.1x Port Authentication
- IEEE 802.3ad LACP aggregation

Performance

- 48 Gbps non-blocking switching fabric
- Switching Forwarding Rate 35.7 Mpps (1488000pps/1000BASE-T,148800pps/100BASE-TX)
- Wire-speed performance

MAC and Packet Buffer

- 8 K MAC entries
- 2 MB Packet Buffer

Traffic Management and QoS

- Rate Limiting: Rule-based/Port-based bandwidth control
- Port-based egress traffic shaping
- Broadcast Storm Control
- IEEE 802.1p with 8 priority queues
- WRR (Weighted Round Robin)/SPQ scheduling algorithm
- DSCP
- IGMP/IGMP snooping
- Congestion control on all ports

IP Routing and Service Features

- 8 IP routing domains
- 1 K IP address table
- Wire-speed IP forwarding
- RIP v1, v2
- Static Routing

Link Aggregation

- IEEE 802.3ad LACP link aggregation compliant
- Support static manually port trunking
- Up to 6 aggregation groups, 8 ports/per group randomly selected

Resilient Network

- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
- BPS (Backup Power System)

User Security and Authentication

- IEEE 802.1Q tag-based and port-based VLAN
- Support GVRP, automatic VLAN member registration
- 256 static VLAN, up to 4 K dynamic VLAN
- Full range 4 K PVID support
- Port-base VLAN & VLAN isolation
- IP Classification VLAN
- Intrusion Lock
- MAC Freeze
- MAC filtering per port secures access to each port
- Specific MAC forwarding per port: only specified MAC addresses can access the network (Port Security)
- Limited MAC number per port
- IP Filtering
- TCP/UDP Socket Filtering
- BPDU transparency
- 802.1x port-based authentication, compensated assignment over VLAN and bandwidth for valid access

Network Administration Security

- User name/password required for Web/Telnet/local console administrators
- Two-level security by specific SNMP read/write community
- SSH v1/v2
- SSL/TLS

Network Management

- ZyXEL iStacking™, up to 24 switches managed by single IP address
- Web-based management
- Telnet CLI
- SNMP v1, v2c
- RS-232c Local console
- IP management: static IP or DHCP client
- RMON four RMON groups 1, 2, 3, 9 (history, statistics, alarms, and events) for enhanced traffic management, monitoring, and analysis
- Port mirroring: supports Source/Destination/Both port mirroring

Intelligent ACL (L2/L3/L4 Access List Control)

- Based on MAC address
- Based on VLAN
- Based on IP address
- Based on Protocol type
- Based on TCP/UDP type
- Based on DSCP

Hardware Specifications

- Support of auto-negotiation
- Support of auto MDI/MDI-X
- Console: D-Sub 9 pin Female (DCE)
- Management: 1 out-of-band management RJ-45 port
- Ports: 20 1000BASE-T, copper ports + 4 dual-personality GbE ports (RJ-45 or SFP open slots)

Physical Specifications

- Dimensions: 438 (W) x 300 (D) x 44.45 (H) mm
- Weight: 4.2 Kg

Power Requirements

- Input voltage of AC: 100-240VAC, 50/60Hz
- Max power rating of AC: 60 Watt
- Backup power supply input 12V DC

Environmental Specifications

- Operating temperature: 0°C ~ 45°C
- Operating humidity: 10% ~ 90%, (non-condensing)
- Storage temperature: -25°C ~ 70°C

Certification

- UL 60950-1
- CSA 60950-1
- EN 60950-1
- IEC 60950-1

Operational Information

Gigabit SFP Transceivers

Model Name	Connector Type	Mode	Wavelength	Distance	P/N	EAN Code
SFP-SX	LC	Multi-mode	850 nm	500 m	91-010-064001B	4718937420308
SFP-LX-10	LC	Single mode	1310 nm	10 km	91-010-065001B	4718937420292
SFP-BX1310-10	LC	Single mode	1310 nm (TX) 1490 nm (RX)	10 km	91-010-152001B	4718937504527
SFP-BX1490-10	LC	Single mode	1490 nm (TX) 1310 nm (RX)	10 km	91-010-153001B	4718937504510
SFP-LHX1310-40	LC	Single mode	1310 nm	40 km	91-010-068001B	4718937420452
SFP-ZX-80	LC	Single mode	1550 nm	80 km	91-010-070001B	4718937420469

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